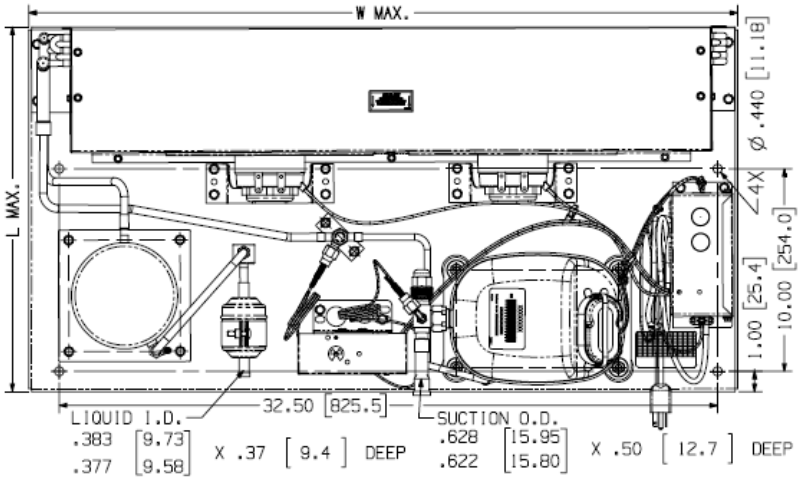
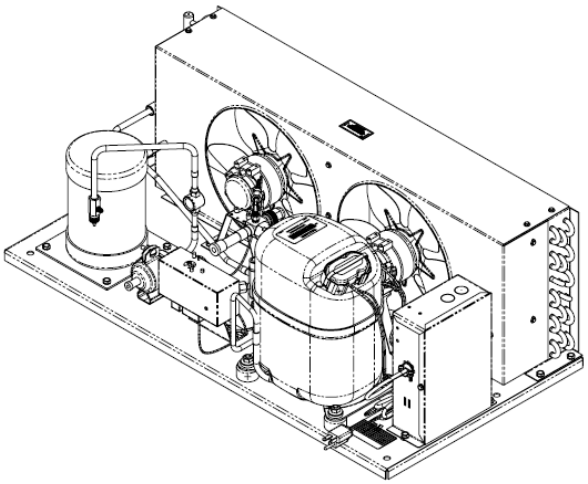
October 28, 2013
Revision: REL

Tecumseh Compressor Company
Indoor Condensing Units

Model: AJA7510ZXDXC **BoM: 2B1181-1** **R-404A** **1 1/4 HP** **AIRCOOLED**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJA7510ZXDXC	18.0	35.0	12.6	12.4	5/8" S	3/8" S	7.30 lbs	800	26.5	---
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.2	6188	1329	96	5458	1338	105	4577	1307	114	3898	1299	122
-5	28.1	6937	1418	98	6145	1433	107	5301	1415	115	4509	1400	124
0	32.8	7740	1512	100	6882	1534	109	6052	1527	117	5152	1511	125
5	37.9	8598	1610	102	7669	1640	111	6831	1644	119	5827	1630	127
10	43.3	9510	1713	105	8505	1751	113	7637	1764	121	6533	1758	130
15	49.1	10476	1821	107	9392	1867	116	8471	1889	123	7271	1896	132
20	55.5	11498	1934	109	10328	1988	118	9331	2019	125	8040	2043	134
25	62.2	12573	2051	112	11314	2114	121	10219	2152	128	8840	2199	136
30	69.5	13703	2172	115	12350	2245	123	11135	2290	131	9672	2364	138

60 Hz Performance

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling
Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

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Specifications/ Parts:

Model	AJA7510ZXDXC
Unit Bill of Material	2B1181-1
Nominal Volts-Hz-Ph	208-230-60-1
Refrigeration Range	-10° to 30°F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	187 to 254
Min. Circuit Ampacity	11.9
Max. Fuse Size (amps)	20
Compressor Model	AJA7494ZXD
Comp. Bill of Material	AJ202ET-188-P21
Compressor RLA/LRA	9.2 / 54
Overload	INTERNAL
Relay	8200RVAM25
Run Capacitor	85PR370F20
Run Capacitor Rating	25MFD 370V(M) VDE
Start Capacitor	85PS250B87
Start Capacitor Rating	216-259 MFD 250V VDE
Contactor	N/A
Unit Drawing	DGU1893-90
Wiring Diagram	91267-01

Fan Motor	810-10079 (2)
Fan Motor RLA	0.2 Each
Fan Blade	515-10004 (2)
Fan Guard	570-10000 (2)
Fan Shroud	707-10000
Dual Pressure Control	14955206
Condenser	506-10005
Receiver Tank with Valve	510-10003
Liquid Filter	70081
Sight Glass	70084
Suction Valve	31590
Rotolock Valve Gasket	30234
Discharge Valve	56630-A
Suction Filter *	N/A
Accumulator *	N/A
Crankcase Heater	N/A
Defrost Timer *	N/A
* = Equipped Units Only	

Electrical Diagram